

ABSTRACT OF THE DISCLOSURE

A hydrocyclone for separating solid particles from a particle-carrying fluid has according to the invention a housing defining a chamber, a port opening into the chamber for admitting the particle-carrying fluid into the chamber for forming therein a vortex flow of the fluid, and a tube connected axially to the housing and forming an outlet therefor. The tube has an inner surface composed of a hard material consisting essentially of tungsten-carbide particles in a metallic binder having by weight a nickel content of at most 12% and a chromium content equal to at most 15% of the nickel content. The chromium content is equal to between 0.5% and 10% of the nickel content, preferably the binder has a nickel content of about 8.5% and a chromium content of about 1.3%.